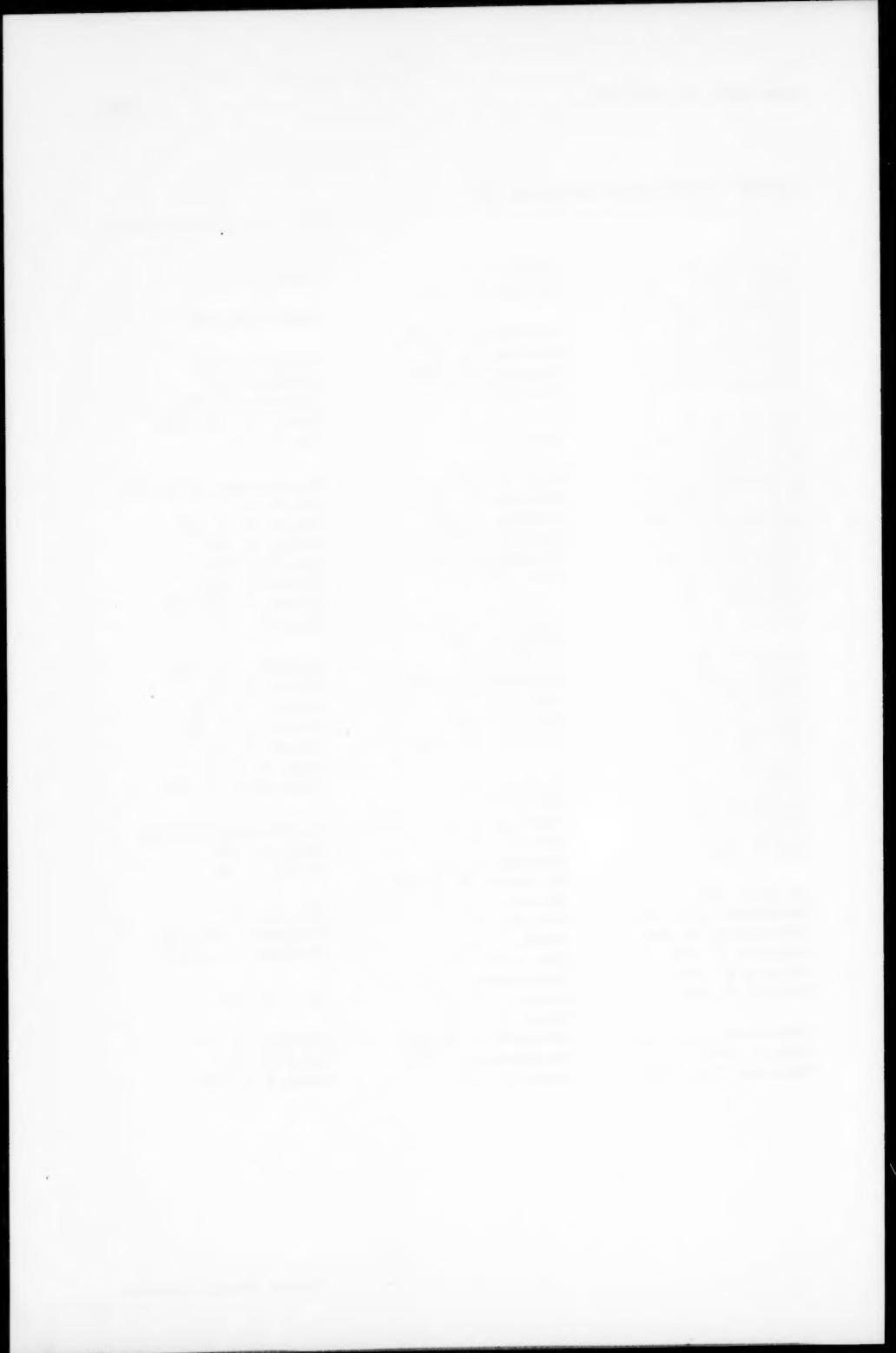


Author Index for Volume 31

- Alcubilla, R., 47
 Antonucci, P. L., 119
 Antonucci, V., 119
 Arab, A. B., 105
 Araujo, G. L., 203
 Arico, A. S., 119
 Augustine, G., 379
- Barua, A. K., 13
 Batabyal, A. K., 13
 Beres, J., 425
 Bhattacharya, G., 1
 Bicelli, L. P., 283
 Birkmire, R. W., 527
 Blasco, E., 47
 Bowron, J. W., 159
 Braffman, H., 23
 Bube, R. H., 171
 Burke, J., 443
- Calderer, J., 47
 Carabe, J., 39
 Carotta, M. C., 217
 Cecchi, G. C., 217
 Chaudhuri, P., 13
 Chu, J. W., 197
 Cocke, D. L., 119
 Conrad, N., 443
 Corkish, R., 537
 Correig, X., 47
 Crea, F., 119
- Dai, G.-C., 279
 Damaskinos, S. D., 159
 Deshmukh, L. P., 549
 Dickerson, P., 443
 Dixon, A. E., 159
 Durán, J. C., 497
- Fahrenbruch, A. L., 171
 Faine, P., 259
 Fthenakis, V. M., 513
- Garcia, E., 47
 Giordano, N., 119
- Hampson, C. E., 459
 Haneman, D., 197
 Hankare, P. P., 549
 Holmes, C., 459
- Jahns, S., 443
- Khare, N., 283
 Khouzam, K., 505
 Khouzam, L., 505
 King, R. J., 395
 Kurokawa, K., 151
 Kurtz, S. R., 259
- Landis, G. A., 297
 Larson, D., 443
- Li, S. S., 349
 Lingenfelter, W., 443
 Long, L. P., 459
 Loo, R. Y., 349
 Luque, A., 203, 237
- Ma, H.-L., 279
 Makios, V., 57
 Makwana, J., 23
 Marti, A., 203
 Martinelli, G., 217
 McCandless, B. E., 527
 McClure, J. C., 23
 Merli, M., 217
 Mialhe, P., 223
 Miao, Q.-H., 279
 Milias-Argitis, J., 57
 Minano, J. C., 237
 Moller, H. J., 77
- Moskowitz, P. D., 513
 Mouhammad, S., 223
 Munn, E., 443
- Neogy, C., 1
 Olson, J. M., 259
- Palmeri, D., 217
 Passari, L., 217
 Pelanchon, F., 223
 Piacesi, R. F. D., 459
 Prat, L., 47
- Ramanachalam, M. S., 379
 Ray, S., 13
 Raynor, W. C., 459
 Razzini, G., 283
 Ren, Z.-Z., 279
 Riordan, C., 259
 Rohatgi, A., 143, 379
 Russo, U., 119
- Salagnon, J. M., 223
 Salmon, N., 443
 Sawant, V. S., 549
 Schaffer, J. P., 379
 Schmidt, G., 444
 Singh, V. P., 23
 Sudharsanan, R., 143
- van Steenwinkel, R., 217
 Venier, G., 497
 de Vos, A., 181
- Weht, R., 497
 Weinberg, I., 297, 331
 Woodyard, J. R., 297
- Yoo, J.-B., 171
- Zacharias, Th., 57
 Zekry, A., 559
 Zheng, Z.-X., 279



Subject Index for Volume 31

- Amorphous silicon**
thickness dependence of light-induced effects in a-Si solar cells, 13
- Arsenic**
deep-level defects and numerical simulation of radiation damage in GaAs solar cells, 349
- efficiency of silicon and GaAs concentrator solar cells operated inside integrating cavity receivers, 203
- Bifacial silicon solar cells**
spectral response degradation of bifacial silicon solar cells, 47
- Capacitance**
characterization of thin film CdS–CdTe solar cells, 23
numerical analysis of the performance of a photovoltaic array curve tracer by the capacitive load method, 151
- Car design**
sunrunner: the engineering report, 425
the pride of Maryland: a solar-powered car for G. M. Sunrayce U.S.A., 459
viking XX-Western Washington University's solar race car, 443
- Carrier lifetimes**
determination of lifetime and surface recombination velocity in solar cells, 223
- CdS:As/electrolyte solar cells**
some investigations on thickness-dependent electrical behaviour of CdS:As/electrolyte solar cells, 549
- CdTe/CdS solar cells**
characterization of thin film CdS–CdTe solar cells, 23
analysis of post deposition processing for CdTe/CdS thin film solar cells, 527
investigation of metalorganic chemical vapor deposition grown CdTe/CdS solar cells, 143
- Characterization**
a review of selected techniques for characterizing radiation-induced defects in solar cells, 379
- Computer**
computer-aided analysis of stepped sinewave inverters, 559
- Copper**
photoelectrochemical, electrolyte electroreflectance and topological characterization of electrodeposited Cu-InSe₂ films, 283
- CuInSe₂**
structure and defect chemistry of grain boundaries in CuInSe₂, 77
effect of a thin intermediate zinc selenide layer on the properties of CuInSe₂ solar cells, 171
degradation processes in polycrystalline copper indium diselenide photoelectrochemical cells, 197
- Current-voltage analysis**
characterization of the anomalous second junction in Mo/CuInSe₂/(CdZn)S/ITO solar cells, 159
- Defects**
a review of selected techniques for characterizing radiation-induced defects in solar cells, 379
deep-level defects and numerical simulation of radiation damage in GaAs solar cells, 349
- Degradation**
degradation processes in polycrystalline copper indium diselenide photoelectrochemical cells, 197
- Deposition**
analysis of post deposition processing for CdTe/CdS thin film solar cells, 527
- Design analysis**
the pride of Maryland: a solar-powered car for G. M. Sunrayce U.S.A., 459
- Disposal**
a checklist of suggested safe practices for the storage, distribution, use and disposal of toxic and hazardous gases in photovoltaic cell production, 513

- Doping**
- a two-dimensional photoresponse analysis of preferentially doped polysilicon solar cells, 105
 - optimization of the junction depth and doping of solar cell emitters, 497
- Electrical behaviour**
- some investigations on thickness-dependent electrical behaviour of CdS:As/ electrolyte solar cells, 549
- Electrochemical photovoltaic cells**
- photoactive screen-printed pyrite anodes for electrochemical photovoltaic cells, 119
- Electrodes**
- photoactive screen-printed pyrite anodes for electrochemical photovoltaic cells, 119
- Electrolyte creep**
- degradation processes in polycrystalline copper indium diselenide photoelectrochemical cells, 197
- Electrolyte electroreflectance**
- photoelectrochemical, electrolyte electroreflectance and topological characterization of electrodeposited CuInSe₂ films, 283
- Emitters**
- optimization of the junction depth and doping of solar cell emitters, 497
- Endoreversible engine**
- is a solar cell an endoreversible engine?, 181
- Fill factor**
- investigation of metalorganic chemical vapor deposition grown CdTe/CdS solar cells, 143
- Numerical analysis of the performance of a photovoltaic array curve tracer by the capacitive load method**, 151
- First-order circuits**
- first-order circuits driven by a photovoltaic generator, 57
- Gallium**
- deep-level defects and numerical simulation of radiation damage in GaAs solar cells, 349
 - efficiency of silicon and GaAs concentrator solar cells operated inside integrating cavity receivers, 203
- Grain boundaries**
- structure and defect chemistry of grain boundaries in CuInSe₂, 77
- Hazardous gases**
- a checklist of suggested safe practices for the storage, distribution, use and disposal of toxic and hazardous gases in photovoltaic cell production, 513
- Hot-spot**
- removal of the hot-spot problem in photovoltaic modules and arrays, 1
- Hydrogen**
- transient behaviour of short-circuit current and open-circuit voltage in a-Si:H solar cells, 279
- I layer**
- thickness dependence of light-induced effects in a-Si solar cells, 13
- I-V characteristics**
- first-order circuits driven by a photovoltaic generator, 57
- Indium**
- photoelectrochemical, electrolyte electroreflectance and topological characterization of electrodeposited CuInSe₂ films, 283
 - radiation damage in InP solar cells, 331
- Intrinsic point defects**
- structure and defect chemistry of grain boundaries in CuInSe₂, 77
- Junction depth**
- optimization of the junction depth and doping of solar cell emitters, 497
- Lattice-matched layers**
- some candidate materials for lattice-matched liquid-phase epitaxial growth on silicon, 537
- Light-induced effects**
- thickness dependence of light-induced effects in a-Si solar cells, 13
- Liquid-phase epitaxy**
- some candidate materials for lattice-matched liquid-phase epitaxial growth on silicon, 537
- Load**
- load prioritization and shedding in photovoltaic power system, 505
- Load resistance**
- numerical analysis of the performance

- of a photovoltaic array curve tracer by the capacitive load method, 151
- Mo/CuInSe₂/(CdZn)S/ITO solar characterization of the anomalous second junction in Mo/CuInSe₂/(CdZn)S/ITO solar cells, 159**
- Multistep tunnelling effect of a thin intermediate zinc selenide layer on the properties of CuInSe₂ solar cells, 171**
- Non-linear solar cells a new approach to measuring spectral responses of non-linear solar cells, 39**
- Open-circuit voltage effect of a thin intermediate zinc selenide layer on the properties of CuInSe₂ solar cells, 171 investigation of metalorganic chemical vapor deposition grown CdTe/CdS solar cells, 143**
- Transient behaviour of short-circuit current and open-circuit voltage in a-Si:H solar cells, 279**
- Optics characterization of thin film CdS-CdTe solar cells, 23 optical aspects in photovoltaic energy conversion, 237**
- Phosphorus radiation damage in InP solar cells, 331**
- Photoelectrochemical cells degradation processes in polycrystalline copper indium diselenide photoelectrochemical cells, 197**
- Photoelectrochemical characterization photoelectrochemical, electrolyte electroreflectance and topological characterization of electrodeposited CuInSe₂ films, 283**
- Photoelectrode thickness some investigations on thickness-dependent electrical behaviour of CdS:As/electrolyte solar cells, 549**
- Photoresponse a two-dimensional photoresponse analysis of preferentially doped polysilicon solar cells, 105**
- Photovoltaic energy conversion optical aspects in photovoltaic energy conversion, 237**
- Photovoltaic generator first-order circuits driven by a photovoltaic generator, 57**
- Photovoltaic modules removal of the hot-spot problem in photovoltaic modules and arrays, 1**
- Polysilicon solar cells a two-dimensional photoresponse analysis of preferentially doped polysilicon solar cells, 105**
- Power management load prioritization and shedding in photovoltaic power system, 505**
- Propulsion sunrunner: the engineering report, 425 the pride of Maryland: a solar-powered car for G. M. Sunrayce U.S.A., 459**
- Proton irradiation spectral response degradation of bifacial silicon solar cells, 47**
- Pyrite photoactive screen-printed pyrite anodes for electrochemical photovoltaic cells, 119**
- Quasi-ohmic contacts characterization of the anomalous second junction in Mo/CuInSe₂/(CdZn)S/ITO solar cells, 159**
- Radiation radiation resistance of thin-film solar cells for space photovoltaic power, 297 deep-level defects and numerical simulation of radiation damage in GaAs solar cells, 349 radiation damage in InP solar cells, 331**
- Recombination effect of a thin intermediate zinc selenide layer on the properties of CuInSe₂ solar cells, 171**
- Safe practices a checklist of suggested safe practices for the storage, distribution, use and disposal of toxic and hazardous gases in photovoltaic cell production, 513**
- Selenium photoelectrochemical, electrolyte electroreflectance and topological characterization of electrodeposited CuInSe₂ films, 283**

- Shadowing**
removal of the hot-spot problem in photovoltaic modules and arrays, 1
- Shedding**
load prioritization and shedding in photovoltaic power system, 505
- Short-circuit current**
transient behaviour of short-circuit current and open-circuit voltage in a-Si:H solar cells, 279
- Silicon**
a reverse silicon solar cell, 217
efficiency of silicon and GaAs concentrator solar cells operated inside integrating cavity receivers, 203
some candidate materials for lattice-matched liquid-phase epitaxy growth on silicon, 537
transient behaviour of short-circuit current and open-circuit voltage in a-Si:H solar cells, 279
- Sinewave inverters**
computer-aided analysis of stepped sinewave inverters, 559
- Solar powered car**
solar cars race for the future
results of the GM Sunrayce U.S.A. and the World Solar challenge, 395
sunrunner: the engineering report, 425
the pride of Maryland: a solar-powered car for G. M. Sunrayce U.S.A., 459
Viking XX-Western Washington University's solar race car, 443
- Space power**
radiation resistance of thin-film solar cells for space photovoltaic power, 297
- Spectral responses**
a new approach to measuring spectral responses of non-linear solar cells, 39
spectral response degradation of bifacial silicon solar cells, 47
- Spectral solar radiance**
the influence of spectral solar irradiance variations on the performance of selected single-junction and multi-junction solar cells, 259
- Spectroscopy**
photoactive screen-printed pyrite anodes for electrochemical photovoltaic cells, 119
- Storage**
a checklist of suggested safe practices for the storage, distribution, use and disposal of toxic and hazardous gases in photovoltaic cell production, 513
- Surface recombination velocity**
determination of lifetime and surface recombination velocity in solar cells, 223
- Thermal disequilibrium**
removal of the hot-spot problem in photovoltaic modules and arrays, 1
- Thickness**
thickness dependence of light-induced effects in a-Si solar cells, 13
- Thin films**
characterization of thin film CdS-CdTe solar cells, 23
analysis of post deposition processing for CdTe/CdS thin films solar cells, 527
radiation resistance of thin-film solar cells for space photovoltaic power, 297
- Topological characterization**
photoelectrochemical, electrolyte electroreflectance and topological characterization of electrodeposited CuInSe₂ films, 283
- Tracer**
numerical analysis of the performance of a photovoltaic array curve tracer by the capacitive load method, 151
- Vapour deposition**
investigation of metalorganic chemical vapor deposition grown CdTe/CdS solar cells, 143
- Zinc selenide**
effect of a thin intermediate zinc selenide layer on the properties of CuInSe₂ solar cells, 171

